



SIMATIC ET 200SP communications module CM AS-i Master ST according to AS-Interface specification V3.0

General technical data		
product designation		AS-Interface Master
product type designation		CM AS-i Master ST
protection class IP		IP20
type of electrical connection of the AS-Interface		ET 200SP BaseUnit (Type C0), 20 mm
type of voltage supply		Via AS-i and backplane bus
consumed current		
<ul style="list-style-type: none"> from profile conductors of the AS-Interface <ul style="list-style-type: none"> at 30 V maximum 	mA	70
<ul style="list-style-type: none"> at 24 V with AS-i Power24V maximum 	mA	70
<ul style="list-style-type: none"> from backplane bus maximum 	mA	5
power loss [W]	W	1.7
insulation voltage rated value	V	500
product feature redundancy capability		Yes
<ul style="list-style-type: none"> note 		From firmware V1.1.0, PROFINET system redundancy S2, in conjunction with IM 155-6 PN HF / IM 155-6 MF HF. From firmware V1.1.11, PROFINET system redundancy R1, in conjunction with IM 155-6 PN R1.
product function suitable for AS-i Power24V		Yes
<ul style="list-style-type: none"> note 		All product versions
product function suitable for operation on PROFINET R1 IMs		Yes
<ul style="list-style-type: none"> note 		From firmware V1.1.11, PROFINET system redundancy R1, in conjunction with IM 155-6 PN R1.
product function		
<ul style="list-style-type: none"> web-based management 		No
<ul style="list-style-type: none"> diagnostics via email 		No
<ul style="list-style-type: none"> galvanic isolation 		Yes
display version		
<ul style="list-style-type: none"> as status display by LED 		DIAG, AS-i OK, AS-i FAULT, PF, CER, CM, AUP, PWR, SL_Xy (A), SL_xY (B)
type of configuration of the AS-Interface		SET pushbutton (optional) on the device, STEP 7, GSD, command interface
Communication/ Protocol		
version of the AS-Interface specification		V 3.0
AS-Interface master profile is supported		M4 (in acc. with AS-interface specification V 3.0)
type of data transmission		ET 200SP backplane bus
number of interfaces		
<ul style="list-style-type: none"> as AS-Interface 		1
<ul style="list-style-type: none"> according to RS 485 		0
<ul style="list-style-type: none"> according to Industrial Ethernet 		0
<ul style="list-style-type: none"> according to PROFINET 		0

<ul style="list-style-type: none"> • according to wireless • according to USB • other 		0
product component optical interface		No
protocol is supported		
<ul style="list-style-type: none"> • ASIsafe (Safety at work) protocol • PROFI-safe protocol • PROFIBUS protocol • PROFINET IO protocol • PROFINET CBA protocol • TCP/IP • SNMP 		No
standard for wireless communication IEEE 802.11		No

Inputs/ Outputs

number of inputs for AS-Interface maximum		496
number of outputs for AS-Interface maximum		496
number of AS-i slaves per AS-Interface maximum		62
bus cycle time of the AS-Interface		
<ul style="list-style-type: none"> • for 31 slaves • for 62 slaves 	ms	5 10
access to digital I/O data		via process image/peripheral addresses
access to analog I/O data		via process diagram/peripheral addresses and data record transfer

Mechanical data

width	mm	20
height	mm	69.2
depth	mm	53.6
fastening method		pluggable in BaseUnit
module format		IP20

Ambient conditions

ambient temperature		
<ul style="list-style-type: none"> • if installed on horizontal mounting rail during operation • if installed on vertical mounting rail during operation • during transport • during storage 	°C	-25 ... +60 -25 ... +50 -40 ... +70 -40 ... +70
relative humidity at 25 °C during operation maximum	%	95
installation altitude at height above sea level maximum	m	2 000

Safety related data

suitability for use safety-related function		No
explosion protection marking for intrinsic safety of related equipment		
<ul style="list-style-type: none"> • EEx ia • EEx ib 		No No
explosion protection category for gas		II 3 G Ex ec IIC T4 Gc
explosion protection category for dust		none

Certificates/ approvals

General Product Approval	EMV
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[Confirmation](#)



[FM](#)



For use in hazardous locations

Test Certificates

Marine / Shipping

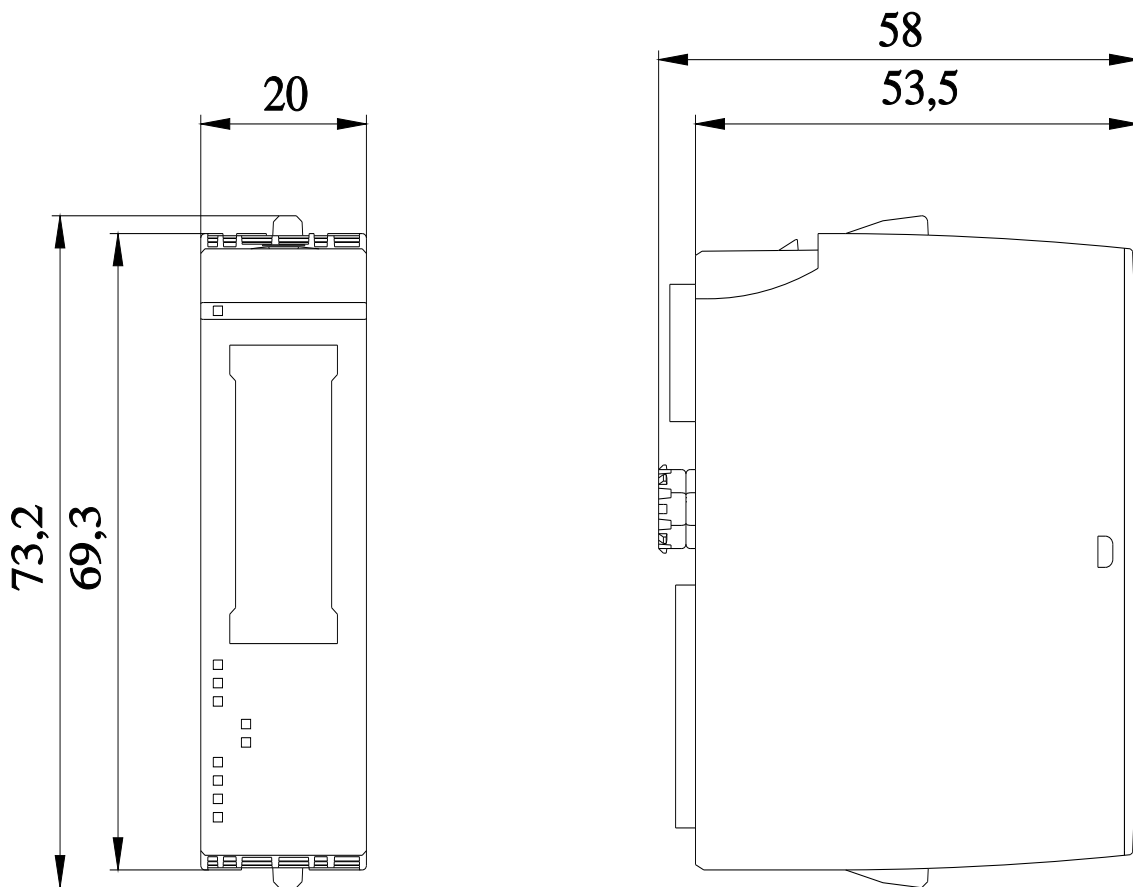


[Miscellaneous](#)

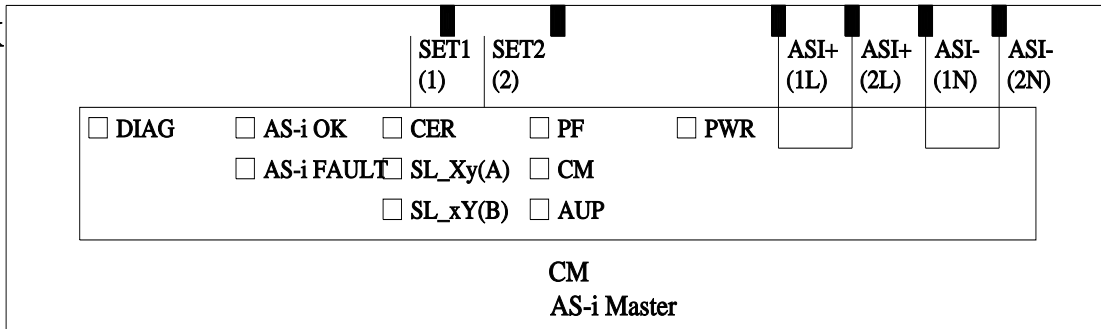


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